MAIL NO.: EV064838755US

PTO/SB/01A (10-00).

Approved for use through 10/31/2002. OMB 0651-0032. U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

USING AN APPLICATION DATA SHEET (37 CFR 1.76)

litle of invention	DIAGNOSIS OF BREAST CANCER						
As the below named inventor(s), I/we declare that: This declaration is directed to: The attached application, or Application No. 10/079,137, filed on February 20, 2002, as amended on (if applicable); I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;							
I/we have reviewed a amended by any ame	nd understand the contents of the above andment specifically referred to above;	-identified app	lication, including the claims, as				
known to me/us to b which became availal	e duty to disclose to the United States e material to patentability as defined in ple between the filing date of the prior ap nuation-in-part application, if applicable;	37 CFR 1.56 plication and t	6, including material information				
and belief are believe willful false statement	herein of my/our own knowledge are trued to be true, and further that these stars and the like are punishable by fine or ne validity of the application or any paten	itements were imprisonment,	made with the knowledge that or both, under 18 U.S.C. 1001,				
FULL NAME OF INVE	ENTOR(S)						
Inventor one: Tor	ny N. Frudakis	Citizen of:	US				
Signature:	·	Date:					
Inventor two: Ste	ven G. Reed	Citizen of:	US				
Signature:	Salad	Date:	14 April 2002				
Inventor three: Joh	n M. Smith	Citizen of:	US				
Signature:		Date:					
Inventor four: Lyn	da E. Misher	Citizen of:	US				
Signature:	ynde E. Mr.	Date:	4/24/02				
☑ Additional invent	ors are being named on $\underline{1}$ additional form atta	ched hereto.					

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.83. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231. Docket No. 210121.419C13

EXPRESS MAIL NO.: EV064838755US

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

ADDITIONAL INVENTOR(S) Supplemental Sheet

Page 2 of 2

FULL NAME OF	FULL NAME OF INVENTOR(S)					
Inventor five	Davin C. Dillon	Citizen of:	US			
Signature:	Dr. C. Dolla	Date:	4/12/02			
Inventor six	Marc W. Retter	Citizen of:	US			
Signature:	Marc W. Retty	Date:	4/17/02			
Inventor seven	Aijun Wang	Citizen of:	People's Republic of China			
Signature:	as us	Date:	4115/02			
Inventor eight	Yasig A. W. Skeiky	Citizen of:	Lebanon and Canada			
Signature:	Andre	Date:	4/19/02			
Inventor nine	Susan L. Harlocker	Citizen of:	US			
Signature:	Swan & Haslocken	Date:	4/12/02			
Inventor ten	Craig H. Day	Citizen of:	US			
Signature:	C-14-V2	Date:	4/15/2002			
Inventor eleven	Samuel X. Li	Citizen of:	US			
Signature:	2L	Date:	4/17/2002			
Inventor twelve	Ta Deng	Citizen of:	People's Republic of China			
Signature:	The	Date:	4/17/2002			
Additional in	ventors are being named on additional fo	rm(s) attached her	eto.			

EXPRESSMAIL NO.: EV064838755US

Approved for use through 10/31/2002. To MB 0651-0032. U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Inventio	COMPOSITIONS AND MET DIAGNOSIS OF BREAST CA		THERAPY AND			
As the below name	ed inventor(s), I/we declare that:					
This declaration is	directed to:					
The at	tached application, or					
🔀 Applic	ation No. <u>10/079,137,</u> filed on <u>Februa</u>	ry 20, 2002,				
as	amended on (if applicable);					
I/we believe that I/which a patent is s	we am/are the original and first invent ought;	tor(s) of the subject	matter which is claimed and for			
	I and understand the contents of the amendment specifically referred to abo		lication, including the claims, as			
known to me/us to which became ava	the duty to disclose to the United So be material to patentability as definited between the filing date of the printinuation-in-part application, if application	ned in 37 CFR 1.56 fior application and t	i, including material information			
All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.						
FULL NAME OF IN	IVENTOR(S)					
Inventor one:	Tony N. Frudakis	Citizen of:	US			
Signature:	2~ J-	Date:	5/2/02			
Inventor two:	Steven G. Reed	Citizen of:	US			
Signature:		Date:				
Inventor three:	John M. Smith	Citizen of:	US			
_						
Signature:		Date:				
Inventor four:	ynda E. Misher	Citizen of:	US			
Signature:		Date:				
✓ Additional inv	entors are being named on 1 additional for	rm attached hereto.				

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Docket No. 210121.419C13



EXPRESSMAIL NO.: EV064838755US

PTO/SB/01A (10-00).

Approved for use through 10/31/2002. OMB 0651-0032. US, Patent and Prademark Office; U.S. DEPARTMENT OF COMMERCE. Under the Paperwork Reduction Act of 1995, no persons are required to respect to a collection of information unless it displays a valid OMB control number.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	COMPOSITIONS AND METHODS DIAGNOSIS OF BREAST CANCE		THERAPY AND				
As the below named	As the below named inventor(s), I/we declare that:						
	This declaration is directed to:						
	ched application, or						
=	ion No. <u>10/079,137</u> , filed on <u>February 20.</u>	2002.					
~ _··	mended on (if applicable);						
_	e am/are the original and first inventor(s)	of the subject	matter which is claimed and for				
	and understand the contents of the above endment specifically referred to above;	-identified appl	lication, including the claims, as				
known to me/us to I which became availa	ne duty to disclose to the United States be material to patentability as defined in able between the filing date of the prior ap tinuation-in-part application, if applicable;	37 CFR 1.56 plication and the	, including material information				
and belief are believ willful false statemer	e herein of my/our own knowledge are truved to be true, and further that these stants and the like are punishable by fine or the validity of the application or any paten	itements were imprisonment,	made with the knowledge that or both, under 18 U.S.C. 1001,				
FULL NAME OF INV	ENTOR(S)						
Inventor one: To	ony N. Frudakis	Citizen of:	us				
Signature:		Date:					
Inventor two: St	even G. Reed	Citizen of:	US				
Signature:		Date:					
Inventor three: Jo	hn M. Smith	Citizen of:	US				
Signature:	77 TOS	Date:	05-20-2002				
Inventor four: Ly	nda E. Misher	Citizen of:	US				
Signature:		Date:					
	ntors are being named on 1 additional form atta	ched hereto.					

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231. Docket No. 210121.419C13

Please	type a	plus sign	1+	inside	this hov
r icase	HYPE a	pius siuii	t T	, 1113146	u iio box



EXPRESS MAIL NO. EV064838755US

PTO/SB/81 (10-00)
Approved for use through 10/31/2002. OMB 0651-0035
O.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE at to a collection of information unless it displays a valid OMB control purpher Under the Paperwork Reduction Act of 1995, no persons ar

ELECTION AND POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

te required to a collection of it	ntormation unless it displays a valid OMB control numbe				
Application Number 10/079,137					
Filing Date	February 20, 2002				
First Named Inventor	Tony N. Frudakis				
Group Art Unit					
Examiner Name					
Attorney Docket Number	210121.419C13				

I hereby a				_			
X Practitio	ners at Se	ed IP Law Group PLLC	-	> [
OR					00500		
Practition	ner(s) nam	ed below:		l	PATENT TRADEMARK	OFFICE	J
Γ		Name		Registrati	on Number	Ì	
ſ							
Ī			1				
as my/our a Trademark (ttorney(s) Office con	or agent(s) to prosecute the application in	dentifie	ed above, and to	transact all business	in the Pa	tent and
Please char	nge the cor	rrespondence address for the above-iden	tified a	application to:			
_		ed Customer Number.					
Firm <i>or</i> Individua	al Name						
Address							
Address							
City		S	tate		ZIP		
Country							
Telephone			Fax				
_	nt/Inventor						
		d of the entire interest. See 37 CFR 3.71		*1			
		37 CFR 3.73(b) is enclosed. (Form PTO. cord of the entire interest I/we hereby ele			3.71 to prosecute the	ennlicatio	on to the
exclusion	on of the in	nventor.				<u>.</u>	
		SIGNATURE of Applican	t or A	ssignee of Rec	ord		
Name	Kathleen	Nora McKereghan					
Signature	Cast	Physe					
Date	24/	May 2007					
NOTE: Signa	tures of a	Il the inventors or assignees of record if more than one signature is required,	of the	entire interest o	or their representative	e(s) are r	equired.
*Total of		ns are submitted.	See De	elow".			
urdon Hour Stat	tomont: This	form is actimated to take 2 minutes to same	lote T	***			

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Under to Paper

EXPRESS MAIL NO. EV064838755US PTO/SB/96 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, 'no persons are required to respond to a collection of Information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: T ny N. Fr	udakis et al.
Application No./Patent No.: 10/079,137	Filed/Issue Date: February 20, 2002
Entitled: COMPOSITIONS AND METHO	DS FOR THE THERAPY AND DIAGNOSIS OF
BREAST CANCER	
Corixa Corporation (Name of Assignee)	, a <u>corporation</u> (Type of Assignee, e.g., corporation, partnership,
states that it is:	university, government agency, etc.)
	and interests as
1. X the assignee of the entire right, title	
2. an assignee of an undivided part in	
in the patent application/patent identified	·
) of the patent application/patent identified above. ne United States Patent and Trademark Office at
Reel, Frame, or for v	
OR	
B. A chain of title from the inventor(s) current assignee as shown below:	, of the patent application/patent identified above, to the
1. From:	To:
The document was recorded in to Reel, Frame, or for	he United States Patent and Trademark Office at which a copy thereof is attached
2. From:	To:
The document was recorded in to Reel, or for	he United States Patent and Trademark Office at which a copy thereof is attached
3. From:	To:
The document was recorded in to Reel, or for	ne United States Patent and Trademark Office at which a copy thereof is attached.
Additional documents in the chair	n of title are listed on a supplemental sheet.
Copies of assignments or other docum	nents in the chain of title are attached.
[NOTE: A separate copy (i.e., the original assign	nment document or a true copy of the original document) must be e with 37 CFR Part 3, if the assignment is to be recorded in the records
The undersigned (whose title is supplied	below) is authorized to act on behalf of the assignee.
,	
24 May 2002	Kathleen Nora McKereghan Typed or printed name
·	adel nmg
	Signature
	Senior Vice President, General C unsel and Secretary
	70

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer. U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.



ASSIGNMENT OF UTILITY PATENT APPRICATION

WHEREAS, we,

Name	Post Office Address	
Tony N. Frudakis	7937 Broadmoor Pines Boulevard, Sarasota, Florida 34243	,
Steven G. Reed	2843 122 nd Place Northeast, Bellevue, Washington 98005	 ;
John M. Smith	1101 Pierce Terrace Northeast, Columbia Heights, Minnesota 55421	;
Lynda E. Misher	5043 16 th Avenue Northeast, Seattle, Washington 98105	;
Davin C. Dillon	18112 Northwest Montreux Drive, Issaquah, Washington 98027	;
Marc W. Retter	33402 Northeast 43 rd Place, Carnation, Washington 98014	;
Aijun Wang	3106 213 th Place Southeast, Issaquah, Washington 98029	;
Yasir A. W. Skeiky	15106 Southeast 47 th Place, Bellevue, Washington 98006	;
Susan L. Harlocker	7522 - 13 th Avenue Northwest, Seattle, Washington 98117	 ;
Craig H. Day	19020 Wallingford Avenue North, Shoreline, Washington 98133-4124	;
Samuel X. Li	3608 175 th Court Northeast, Redmond, Washington 98052	; and
Ta Deng	18209 76 th Avenue West, Edmonds, Washington 98026	,

(hereinafter referred to as ASSIGNORS), having post office addresses as listed above next to our names, are the joint inventors of an invention entitled

COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS OF BREAST CANCER

which is described and claimed in the specification and claims of continuation-in-part (C-I-P) Patent Application No. 10/079,137, as filed in the United States Patent and Trademark Office on February 20, 2002 ("this application") for which a patent is sought. This application derives benefit from the following application(s):

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number	Attorney Docket Number
09/924,400	08/07/2001		210121.419C12
09/810,936	03/16/2001		210121.419C11
09/699,295	10/26/2000		210121.419C10
09/590,583	06/08/2000		210121.419C9
09/577,505	05/24/2000		210121.419C8
09/534,825	03/23/2000		210121.419C7
09/429,755	10/28/1999		210121.419C6
09/289,198	04/09/1999		210121.419C5
09/062,451	04/17/1998	6,344,550	210121.419C4
08/991,789	12/11/1997	6,225,054	210121.419C3
08/838,762	04/09/1997	ABN	210121.419C2
08/700,014	08/20/1996	ABN	210121.419C1
08/585,392	01/11/1996	ABN	210121.419

WHEREAS, Corixa Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Delaware having a place of business at 1124 Columbia Street, Suite 200, Seattle, Washington 98104, is desirous of acquiring the entire right, title and interest in and to said invention, this application, and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, this application and any and all Letters Patent which may be granted therefor in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues

and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from this application and said parent application(s) to which said foreign applications are entitled by virtue of international convention, treaty or otherwise; said invention, this application and all Letters Patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made.

ASSIGNORS hereby authorize and request the Director of the Patent and Trademark Office to issue said United States Patent to ASSIGNEE, of the entire right, title and interest in and to the same, for its sole use and benefit, and for the use and behalf of its legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign Patent on said invention, for litigation regarding said Patent, or for the purpose of protecting title to said invention or Patent therefor.

5/2/02	7-2
Date	Signature of Tony N. Frudakis
State of FLORIDA)	
County of SARASOTA)	SS.

I certify that I know or have satisfactory evidence that Tony N. Frudakis is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated		 	
Signature of Notary Public _			
Printed Name _		 	
My appointment	expires		



140-8	لا ات	A Read
Date		Signature of Steven G. Reed
State of	NSION)	ss.
person who appeared	before me, and said	ve satisfactory evidence that Steven G. Reed is the person acknowledged that he signed this instrument untary act for the uses and purposes mentioned in the
	Dated2 Signature of Notary Public Printed Name My appointm	: Kelli J. Endreson
Date		Signature of John M. Smith
State of))	SS.
person who appeared	before me, and said to be his free and vol	eve satisfactory evidence that John M. Smith is the person acknowledged that he signed this instrument untary act for the uses and purposes mentioned in the
	Signature of Notary Public	
	Printed Name	
	My appointm	ent expires

Date	Signature of Steven G. Reed
State of	·)
County of) ss.
person who appeared before	I know or have satisfactory evidence that Steven G. Reed is to me, and said person acknowledged that he signed this instruments free and voluntary act for the uses and purposes mentioned in the same of the same
	Dated
	Signature of Notary Public
	Printed Name
	My appointment expires
<u>5-20-2007</u> Date	
Date	Signature of John M. Smith
State of MN	
State of MN County of Anoka) ss.)
person who appeared before	I know or have satisfactory evidence that John M. Smith is to me, and said person acknowledged that he signed this instrument is free and voluntary act for the uses and purposes mentioned in the same of the same purposes mentioned in the same purposes.
	Dated
	Signature of Notary Public Market Mar
	Printed Name Antoinette MOOLE
	My appointment expires ANTOINETTE S. MOORE NOTARY PUBLIC OF NEW JERSEY My Commission Expires Sept. 5, 2006

4/25/02	Lynda E. M.
Date	Signature of Lynda E. Misher
State ofWASHING]	
County of KING) ss.)
person who appeared before and acknowledged it to be h	I know or have satisfactory evidence that Lynda E. Misher is the me, and said person acknowledged that she signed this instrumenter free and voluntary act for the uses and purposes mentioned in the
instrument.	Dated
4/12/02	D. C. D. II.
Date	Signature of Davin C. Dillon
person who appeared before	ss. I know or have satisfactory evidence that Davin C. Dillon is the me, and said person acknowledged that he signed this instrument is free and voluntary act for the uses and purposes mentioned in the
	Dated

4/17/02 Date	Muc W. Putty Signature of Marc W. Retter
State of) ss.
person who appeared before	know or have satisfactory evidence that Marc W. Retter is the me, and said person acknowledged that he signed this instrument afree and voluntary act for the uses and purposes mentioned in the
	Dated
4/15/02 Date	Signature of Aijun Wang
State of) ss.
who appeared before me, and	know or have satisfactory evidence that Aijun Wang is the person d said person acknowledged that she signed this instrument and ee and voluntary act for the uses and purposes mentioned in the
1	Signature of Helli J. Endreson Printed Name Kelli J. Endreson My appointment expires 12/20/2003

4/19/02		\mathcal{L}	Yo. A	
Date //		Signature of	Yasir A. W. Skeiky	
State of WASHINI	GTON)			
County of KING)	SS.		
I certify that person who appeared before and acknowledged it to be instrument.	re me, and said j	person acknov	-	this instrument
	Dated	4/19/3	2002	
	Signature of Notary Public	Heen	g Endre	ow
	Printed Name	<u> Kelli</u>	J. Endr	eson
	My appointme	nt expires	12/20/200)3
4/12/02	····		an L. Harlock	
Date		Signature of S	Susan L. Harlocker	
State of	GION			
County of KING)	SS.		
I certify that person who appeared before and acknowledged it to be instrument.	e me, and said p	erson acknow		this instrument
	Dated	Cari	l 12 2002	
	Signature of Notary Public	Wend	in I Br	yan
	Printed Name		DEIRDRE I. BRY	'AN
	My appointmen	nt expires	9/1/02	

4/15/2002	J-1-
Date	Signature of Craig H. Day
State of	SS.
who appeared before me, and said persor	satisfactory evidence that Craig H. Day is the person acknowledged that he signed this instrument and ary act for the uses and purposes mentioned in the
Dated Signature of Notary Public Printed Name My appointment	Kelli J. Endreson
	Signature of Samuel X. Li
who appeared before me, and said person	satisfactory evidence that Samuel X. Li is the person acknowledged that he signed this instrument and ary act for the uses and purposes mentioned in the
Dated	17/2002

Dated 4 17/2-002

Signature of Notary Public Helli G Endreson

Printed Name Kelli J. Endreson

My appointment expires 12/2-0/2-003

4117/02	Taly
Date	Signature of Ta Deng
State of HASHINGTON)) ss.
County of VINC) 55. }

I certify that I know or have satisfactory evidence that Ta Deng is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 4/1/2003
Signature of Notary Public 4 Endreson

12/00/2002

My appointment expires $\frac{12/20/2003}{}$

210121.419C13 266631